

Amendments To the Claims

Kindly cancel claims 1-20.

Kindly enter new claims 21-34, which were subject to restriction in Paper No. 5 of the parent case, mailed March 31, 2003.

Claim 21 (New): A method of transmitting data between a device and a communications channel interface, comprising:
communicating a request for the data from the device to the communications channel interface;
determining a type of data being requested;
accessing the data within a communications channel by the communications channel interface
 using a linear database protocol that defines a position of the data based on the type of
 data being requested;
transmitting the data from the communications channel interface to the device.

Claim 22 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using radio frequency over guided media.

Claim 23 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using a radio frequency system over non-guided media.

Claim 24 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using an ultra wideband radio frequency system over guided media.

Claim 25 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using an ultra wideband radio frequency system over non-guided media.

Claim 26 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using a fiber optic system.

Claim 27 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of accessing data with the linear database protocol is accessing data based on pulse position information associated with the type of data being requested.

Claim 28 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the data includes streaming data.

Claim 29 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the data includes non-streaming data.

Claim 30 (New): The method of transmitting data between a device and a communications channel interface of claim 25 wherein the ultra wideband radio frequency transmission system uses variable pulse characteristics to represent data.

Claim 31 (New): The method of transmitting data between a device and a communications channel interface of claim 25 wherein the ultra wideband radio frequency transmission system uses variable spaces between pulses to represent data.

Claim 32 (New): The method of transmitting data between a device and a communications channel interface of claim 21 wherein the structured linear database protocol uses a structured linear database comprising a linear file allocation table including a field name for one or more subdivisions of data, pulse start and end position information for each of the field names.

Claim 33 (New): The method of transmitting data between a device and a communications channel interface of claim 32 wherein the structured linear database further comprises a routing header portion and a tailbit portion.

Claim 34 (New): The method of transmitting data between a device and a communications channel interface of claim 32 wherein the structured linear database is variable in length.